

# *METHOD AND APPARATUS OF SLICE SELECTIVE MAGNETIZATION PREPARA- TION FOR MOVING TABLE MRI*

## **Abstract**

The present invention is directed to slice selective magnetization preparation for moving table MRI. The present invention includes a method of magnetization preparation that takes into account patient movement or translation during the imaging process. The present invention adjusts or modifies the frequency at which magnetization preparation pulses are applied to offset the preparation pulse in space. This allows preparation pulses to be interleaved with imaging and enables magnetization preparation without sacrificing other imaging variables or parameters defined for the particular MR study. As such, contrast within a reconstructed image is improved.